CLAIMS

1. An encryption recording apparatus for encrypting and recording encoded data, the encryption recording apparatus comprising:

5   an input unit to which the encoded data formed by an encoding block including at least an intraframe encoded image is input;

        an encryption processing unit that encrypts the encoded data in predetermined encryption blocks while

10 changing an encryption key for at least one encryption block; and

        a recording unit that records the encrypted encoded-data on a recording medium, wherein

        the encryption processing unit encrypts at least one

15 intraframe encoded image with a single encryption key to prevent the encryption key from being changed in a middle of encryption of the one intraframe encoded image.

2. The encryption recording apparatus according to claim

20 1, wherein

        the encryption processing unit delays, when encryption key change timing is in the middle of the encryption of the intraframe encoded image, the encryption key change timing to prevent the encryption key from being changed in the

25 middle of the encryption of the intraframe encoded image.

3. The encryption recording apparatus according to claim 2, wherein

        the input unit includes a data identifying unit that

30 detects the intraframe encoded image from the input encoded data, and changes a state of an identification flag based on detection of the intraframe encoded image, and

        the encryption processing unit determines whether to

delay the encryption key change timing, based on the state of the identification flag.

4.   The encryption recording apparatus according to claim
5 3, wherein
      the data identifying unit sets the identification flag in a state of disabling a change of the encryption key in a period from detection of a head of the intraframe encoded image to detection a head of an encoded image different
10 from the intraframe encoded image.

5.   The encryption recording apparatus according to claim 1, wherein
      the input unit inserts, when the encryption key change
15 timing is in a middle of encryption of the encoding block, dummy information right before the encoding block to prevent the encryption key from being changed in the middle of the encryption of the encoding block.

20 6.   An encryption recording method of encrypting and recording encoded data formed by an encoding block including at least an intraframe encoded image in predetermined encryption blocks while changing an encryption key, the encryption recording method comprising:
25   encrypting at least one intraframe encoded image with a single encryption key to prevent the encryption key from being changed in a middle of encryption of the one intraframe encoded image.

30 7.   The encryption recording method according to claim 6, wherein
      the encrypting includes delaying, when encryption key change timing is in the middle of the encryption of the

intraframe encoded image, the encryption key change timing
to prevent the encryption key from being changed in the
middle of the encryption of the intraframe encoded image.

5   8.   The encryption recording method according to claim 6,
further comprising:
        inserting, when the encryption key change timing is in
a middle of encryption of the encoding block, dummy
information right before the encoding block to prevent the
10 encryption key from being changed in the middle of the
encryption of the encoding block.